

RPS

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7 OCT 1977

MEMORANDUM FOR: Executive Officer, DDA

FROM: James H. McDonald  
Director of Logistics

SUBJECT: Research and Development Programs

REFERENCES: (a) Multiple Adse Memo dtd 19 Sep 77 fm  
DD/S&T, Subj: FY-80 RD&E Program  
(DD/S&T-4518-77) (DD/A 77-5250) (OL 7 4329)

(b) Memo dtd 30 Aug 77 to EO/DDA fm C/R&D/PS/  
DDS&T, Subj: RD&E Problem Area Statements  
(DD/S&T-4023-77) (DD/A 77-4892) (OL 7 4292)

1. In response to your request, we have examined potential problem areas wherein DDS&T research and development programs might assist in reaching a viable solution. We suggest that appropriate research be conducted towards achieving more suitable methods and design for vault construction; i.e.:

a. Study and develop the most cost-effective design for vault construction using: (1) a light-weight material such as light-weight concrete; (2) reinforced "standard" concrete; (3) reinforced masonry construction; and (4) some sort of precast panels. Present specifications call for 3000 psi concrete with #5 bars on 5-inch centers each way. It is questionable whether or not this actually gives us more protection against the penetration that we are concerned with than if fewer bars were used (say, bars on 6-inch centers). It is suggested that the National Bureau of Standards be used as a source of this, (2), portion of the work. (Please note that a study of penetration times has been conducted by the Army, and the results are available.)

b. Pursue a program leading to the development of a port-a-vault. Dimensions should be approximately 300 square feet with hookups for secure communications and heating, ventilation, and air conditioning; it should meet Office of Security standards and be capable of erection within 48 hours of site preparation in standard office buildings in the United States.

OL 7 4329a

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**SUBJECT: Research and Development Programs**

**2. Please advise DDS&T that we will provide additional information as required.**

~~Legend: James H. McDonald~~

**James H. McDonald**

**Distribution:**

- O + 1 - Adse
- 1 - OL Official
- ① - OL/P&PS
- 1 - OL/RECD
- 1 - D/L Chrono

OL/P&PS  (7 Oct 77)

STAT

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NOTE: Ref memo was sent to P&PS  
with following note from D/L:  
Pls canvas the divisions to see if  
they have any area that R&D would  
help or solve some of their problems,  
particularly RECD and P&PD.  
D/L SUSPENSE: 29 Sept 1977

AEO/OL

*Kg*

23 SEP 1977<sup>BT</sup>

EO/OL

*g*

2 SEP 1977

DD/L

*Xg*

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OL/P&PS

24 SEP 1977



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SECRET

## ROUTING AND RECORD SHEET

SUBJECT: (Optional)

RD&amp;E Program

FROM:

Executive Officer/DDA

EXTENSION

NO.

DD/A 77-5250

DATE

21 Sept 77

TO: (Officer designation, room number, and building)

DATE

RECEIVED

FORWARDED

OFFICER'S INITIALS

COMMENTS (Number each comment to show from whom to whom. Draw a line across column after each comment.)

1. Director/Office of LOGISTICS

2.

3.

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15.

On 1 September I forwarded a DDS&T memo concerning RD&E problem area statements. This asked for descriptions of problem areas during the next five to seven years. Your responses are due by the end of this month.

FYI there is attached a memo from DDS&T concerning FY'80 RD&E Program and the schedule to be followed in review of RD&E proposals.



OL 7 4020



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DD/S&T-4518-77

19 September 1977

MEMORANDUM FOR: Deputy Director for Administration  
Deputy Director for Intelligence  
Deputy Director for Operations

SUBJECT: FY-80 RD&E Program

 Based on the planning inputs expected from you within the next few days concerning the RD&E program, I plan to provide guidance about the FY-80 RD&E Program to the appropriate Office Directors during the first part of October. I have asked the Office Directors to provide descriptions of their proposed projects to your staff by about Thanksgiving. Your review and prioritization of the proposed projects before Christmas would be very helpful. After consolidation of all the RD&E proposals I will coordinate the results with you. This coordination will occur sometime early next year when the schedule for the budget activities is firmly established.

  
LESLIE C. DIRKS  
Deputy Director  
for  
Science and Technology

OL 7 4329

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DD/S&amp;T-4023-77

30 August 1977

MEMORANDUM FOR: Executive Officer, DD/A

SUBJECT: RD&amp;E Problem Area Statements (A/IUO)

1. (A/IUO) The formulation of the next cycle of the RD&E program could be more responsive to your needs if we had descriptions of the problem areas you foresee occurring 5 to 7 years from now. This is the average length of time required for programming and development. While the descriptions may be somewhat general at this point in time they should be based on realistic options that you are considering for that time period.

2. (A/IUO) Any other comments that provide guidance would be appreciated. An input from you during the month of September is desirable so that the DDS&T can give guidance to its offices in order that they might propose R&D programs responsive to your outyear needs. If I can be of assistance, please call me on extension

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Chief, R&D Planning Staff  
Directorate of  
Science and Technology

DDA *Suspense* 30 ~~23~~ Sept 77

OL 7 42 12

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